McGill Daily

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LARGE BUSINESS DONE BY STUDENTS' COUNCIL LAST NIGHT

Song Book, Football Dinner, "Daily" and the "Lit" Were Among Matters Discussed

The Students' Council at their meeting last night went through a large budget of business.

A letter was received from Mr. Lennie in regard to the Song Book, and a committee was appointed to look into the matter and report next Thursday night.

Committees were appointed from the Council to complete arrangements for the dance and the Freshman and Soph. banquet, which the University has offered. An excellent entertainment is expected to be the result of the University's offer.

The football dinner at the Ritz hotel on Wednesday, November 26, received official sanction, and the sale of tickets opens this afternoon.

The question of an editor for the Daily was brought up. The names of A. J. MacMillan, C. O. Scott and D. H. Henry were considered. It was decided to appoint Messrs. Scott and Henry to look after the paper. The members also wanted it known that they had offered the expenses of one man to the Toronto game, and had not, as was previously stated, refused expenses. This was done with an eye to the policy of cutting down expenses as much as possible.

The Literary and Debating Society was granted the sum of $114, and the salary of the secretary, Mr. Melville, was increased to $1500 a year. Great satisfaction was expressed for the way in which he has so capably performed his duties, and every confidence has been placed in him.

R.M.C. COMMANDANT

The appointment of Lieut.-Col. L. R. Carleton, D.S.O., of the Essex Regiment, as commandant of the Royal Military College, Kingston, which was recommended recently, has now been made official. He has been in charge of the cadets at the Royal Military College, Sandhurst.

RUMFORD FUND HONOURS PROF.

Physicist Reaps Benefit of Research

TO CONTINUE STUDY

The Associate Professor of Physics, Mr. King, has met with singular distinction. He has been awarded a special grant from the Rumford Society, to enable him to engage in further research "On the Scattering and Absorption of Lights in Gaseous Media, with Application to the Intensity of Sky Radiation."

Prof. King has been connected with McGill for some time. After graduating with honors in physics, he went to Cambridge, where he succeeded in establishing a reputation for himself by attaining the much coveted rank of "Wrangler." After three years at Cambridge, he returned to McGill and received an appointment to the teaching staff of the Physics Department. Since then he has gradually risen, until he now occupies the position of Associate Professor of Physics.

During his summer vacations, Prof. King has devoted himself to further physical research, especially in connection with icebergs.

Prof. King was recently invited to lecture at Johns Hopkins University on the result of his experiments on signalling by sound during fogs.

McGILL WRESTLERS GET NEW QUARTERS

First Practice in Football Room in Union Held Yesterday

Yesterday afternoon the Wrestling Club worked out for the first time in the football room in the basement of the Union, but not very many men turned up, due to confusion caused by the change of location.

The practices have so far been held in the Y. M. C. A. on Drummond street, but in the opinion of the executive, they had not enough room there, and therefore arrangements were made to secure a better place, also a floor where the mat could be left down at all times, enabling the men on the team to work out at the hours best suiting them.

However, yesterday's showing can in no way be taken as an example of the practices, as they have been very well attended all session, almost twice as many men turned out, regularly as last year. All the classes are well filled except the heavy weight and 115 pound, and there are several good men likely to show up for the latter.

It is in the heavyweight that the team is weakest, and it is to be hoped that a few of the football huskies will take up this form of sport now there are no more Rugby teams to lick.

BIG BANQUET FOR THE TEAM

Intercollegiate Champions Will Be Dined Next Wednesday

SHAG WILL BE THERE

The date for the big banquet in honor of the champion football team has finally been settled on for next Wednesday. The dinner will be held at the Ritz-Carlton, and from present indications should be the most successful affair of its kind ever held at McGill.

All the members of the team and Frank Shaughnessy, who will come down from Ottawa for the occasion, will be on hand as guests of a number of graduates and the Students' Council, under whose auspices the banquet is being held. Both alumni and undergraduates will probably be well represented as it has been announced that tickets will be sold to students or ex-students wishing to do honor to the team which has the distinction of being the first to defeat Varsity in Toronto since nineteen hundred and seven.

The banquet will come as a fitting celebration to one of the most successful seasons ever experienced by a McGill team. Not only has the championship been retained in a way which leaves no doubt as to the superiority of the McGill team, but the season has also been a success financially. What this latter means is well known to all students of the University, in view of the deficit facing the Students' Society. Most of the players have come through the strenuous season practically unscathed and every one of them will consequently be able to appear on the night of the big celebration. Tickets for the affair will be sold at the Union on Saturday morning, the price of these being two dollars and a half each.

UNIVERSITY'S GIFT TO THEATRE NIGHT

The University authorities are again showing their eagerness to do their share towards making Theatre Night a distinct success. At Strathcona Hall the Freshmen will be given a supper. A dance for the upper classmen will take place at the Union. An appropriation of $225 has been made to defray expenses.

FAIR CO-EDS. AT COUNTERS

Music, Fancy Work, Pennants, And Tea

PREPARATIONS

R.V.C. Girls Decorating Common Room—Expectant of Many Visitors

Preparations for the Y.W.C.A. sale on Saturday are about concluded, and it promises to be the best yet.

Miss Jessie Boyd, the untiring general convenor, has spent much time and thought on it and the success is due in a great part to her.

The Fancy Work Table will be in charge of Miss Gladys Rogers and Miss Grace Ryan, assisted by others.

At the Pennant Table Miss Clovis Morgan and Miss Isabel Bodie will be in charge.

Miss Helen Taylor, with her assistants, Miss Edith Chauvin and Miss Violet Henry, will preside at the Candy Table.

In the Tea Room the girls under Miss Mary Hamilton, Miss Margaret McNiven and Miss Isabel McCaw, will serve tea, ice cream and cake at daintily arranged little tables.

Miss Margaret Hay is arranging musical numbers which will add much to the pleasure of the afternoon.

There will be several special features this year, to take the place of "Frozen Faculty," which was so well received last year. These, however, are to be a surprise and are only known to the convenors.

It is important that those who have articles for the sale should bring them to the R. V. C. on Saturday morning, if possible. If not, will they please bring them as early as they can on Saturday afternoon.

Things brought in before Saturday may be left in charge of Woods.

Y.W.C.A. WILL HEAR LADY MISSIONARY

Mrs. Shapleigh, Recently Arrived From the Orient Will Relate Experiences

An informal meeting of the Y. W. C. A. will take place this afternoon at 5 o'clock, in the Common Room, when the students will be addressed by Mrs. Shapleigh, a returned missionary from China. Every one who possibly can manage to do so should take advantage of this opportunity to hear about the work in China. We would remind the students that China is now passing through a crisis both intellectual and political, such as perhaps has never been paralleled in the world's history.

The east is rapidly overtaking the west. The Chinese problem should especially appeal to the interest of every student, owing to the enthusiasm shown by the student bodies in China at the conventions held lately by Dr. Mott.

The R. V. C. is especially privileged in having the opportunity to hear these vital questions touched upon by one who comes direct from the Orient.

WHAT SOME COLLEGES DID UNTO OTHERS

Aggregate Scores of a Few Veteran Football Teams

As the football season is now practically over, with only the Harvard-Yale, Army-Navy, and Cornell-Pennsylvania games remaining, it is interesting to note the scoring abilities of the important teams in the east. Navy has rolled up the largest aggregate, with a total of 230 points, while Dartmouth is second with a record of 218. The Army is third with 217. The real leader though is Harvard with a score of 210 and an unbroken string of victories. The records are:

Navy, 230; opponents, 7.
Dartmouth, 218; opponents, 82.
Army, 217; opponents, 41.
Harvard, 210; opponents, 16.
Princeton, 181; opponents, 21.
Pennsylvania, 169; opponents, 60.
Yale, 121; opponents, 19.
Cornell, 111; opponents, 86.

ECONOMISTS FORM CLUB

Students Adopted Constitution Last Night

COMMON, PRESIDENT

They Will Wrestle With Questions Ranging From Aristotle To Present Day

(Continued on page 2.)

At the inaugural meeting of the Political Economy Club held yesterday in the Arts Building, there was a most satisfactory attendance in point of numbers. As chairman of the special committee of organization D. Wilgress presided, and after announcing the object of the meeting, said that a constitution had been drawn up and would be submitted for the approval of the meeting. He then called on G. D. Brown to read the constitution as it had been prepared. After the constitution had been read, as there was no discussion on the subject, it was moved and seconded that it should be adopted as it stood. The motion was carried.

The election of fofficers was then proceeded with, and the following were elected to fill the various positions: Honorary president, Dr. Leacock; honorary vice-pres., Dr. Hemmeon; president, F. B. Common, B.A.; vice-president, D. Wilgress; secretary, G. D. Burn; treasurer, J. Viner.

The newly-elected president then took the chair and called on Dr. Leacock to address the meeting with some words of advice. The ever-popular professor commenced by saying that it had been his ambition for years to fill the position to which he had just been elected, the head or honorary head of a Political Economy Club of McGill. He had, he said, hoped for thirteen years to see such a club formed and had very often discussed the subject with his colleague, Dr. Hemmeon. They had always thought that the first move in the formation of such a club should come from the students themselves and the present organization was due entirely to the initiative of several of the students present.

Dr. Leacock expressed the hope that the members of the club would consider himself and Dr. Hemmeon not as leaders nor as pedagogues, but as comrades and fellow-students of the all-important economic questions, for the study of which the club had been formed.

The speaker then said that there is no royal road to learning and that, moreover, this is a very fortunate fact. The only way, he said, to acquire knowledge is to go after it one's self.

Economics is an entirely controversial subject and there is no theory that can be advanced that will not find someone to deny it and express a contrary one. That the economist stands unchallenged in the potentiality for human good is the opinion of Dr. Leacock.

He also said that it was of no avail to merely attend so many lectures a session, read so many text books and pass a final examination, that an economic student was not made in that way. Such a student ceases to be a student as soon as he has graduated. The true economic student is the one who besides reading the assigned text books makes researches into the questions on his own account and takes every opportunity to gain more and wider knowledge of the subject. As an excellent example of the latter type of student he cited the case of the president of the club who, although a graduate of the honor economics class of '13, had, like Oliver Twist, come back for more.

Dr. Leacock then spoke of the great range of subjects which were open to debate by the club. Besides the innumerable questions of economic theory, there are also the historical aspects of the theories and the less known characteristics of the classical and more recent economists. He said that it would be a most undesirable thing for the discussions of the club to become purely theoretical, as the professors were apt to do, or to lean too far in the other direction and deal with pure particularism as is the tendency of the politician. The Doctor then said that he intended to be present at as many meetings as possible and that he was quite ready to lend his co-operation and aid to the executive committee in their work of drawing up programmes for the various meetings.

PLAYERS WILL PRESENT CUP

"Shag" Will Receive Token From McGill Football Team

PRESENTED AT BANQUET

At Wednesday's football dinner one of the features of the evening will be the presentation of a silver loving cup to Frank Shaughnessy, McGill's peerless coach, who has been mainly instrumental in bringing the Intercollegiate championship to this university for two successive years.

The donors will be the members of this year's team, the presentation being in the nature of an appreciation of the wonderful work which the big coach has done for the fall game at McGill. It is also a tribute to "Shag's" personality and the high esteem in which he is held by the players either on or off the field.

Since taking over the coaching responsibilities, Shaughnessy has become the most popular figure in athletic circles at McGill, and Wednesday's presentation is a concrete expression of the warm friendship which exists between the football players and their rangy tutor.

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TAKE THE ELEVATOR AND SAVE TEN.

"GAMMA RAY'S INTERFERENCE" DISCUSSED BY PHYSICISTS

Mr. Shaw Gives Result of Recent Research — Also Speaks on "Contact Potential"

Mr. Shaw presented papers at the last meeting of the Physical Society on subjects connected with his recent researches: "interference of gamma-rays" and "contact potential."

During the past year several prominent research physicists have been studying the interference effects exhibited by X-rays when reflected from suitable crystals. The emergent rays when allowed to fall upon a photographic plate produce bright and dark spots corresponding to the strengthening or weakening of the wave train due to interference.

A similar experiment was tried with gamma rays and somewhat analogous results obtained. In this research two difficulties present themselves which are absent from the X-ray experiment, the fogging of the photographic plate due to strong secondary radiation, and the necessity for long exposure, for the reflected ray has an intensity of but one-thousandth of that of the primary ray.

The beam of gamma rays, after being carefully freed from beta-rays by means of a strong magnetic field, was thrown on a large crystal of mica composed of many slabs, the angle of incidence of the gamma-rays with the planes of cleavage of the mica crystal being about one degree. A photographic plate was placed so as to intercept the reflected rays and when developed showed a series of spots arranged in symmetrical order with respect to the central image. An additional experiment proved that the reflected rays were gamma-rays.

Whereas soft X-rays give on short exposure but one central point of light, and on long exposure other symmetrical points of light dim with respect to this central image, with hard X-rays the symmetrical points of light appear in a position which corresponds to the arrangement of spots from gamma rays and have greatly increased in brightness relatively to the initial bright spot. While with very hard X-rays the results obtained are quite analogous to those obtained with gamma rays.

The experiment described by Mr. wave-length of soft X-rays bears approximately the same ratio to that of hard X-rays as the wave-length of hard X-rays bears to that of gamma rays (i.e.), one-tenth to one-hundredth.

After a few moments of discussion on this interesting subject Mr. Shaw proceeded with his paper on "Contact Potential." The phenomenon discussed is that two metal plates although connected to one another and to earth are not at the same potential, as was first shown by Lord Kelvin by suspending a magnetic needle over the plates thus connected.

This effect has been attributed to a chemical affinity, which certain experiments seemed to support, and, secondly, as an intrinsic property of the metal, as is its density and atomic weight.

The experiment desvribed by Mr. Shaw supports the latter view. In the apparatus, two plates of different metals were inclosed in a chamber, one connected to a potential divider by which it could be raised to any desired potential, the other plate was connected to an electrometer. By ionizing the air between the plates, the plates tended to take up the same potential so that the reading of the electrometer indicated the contact potential. Then the plate connected to the potential divider was given a potential equivalent to the initial difference of potential between the plates but in this case less than that of the plate connected to the electrometer. The electrometer again took up a position of equilibrium, along a curve which could be duplicated time after time provided the air of the chamber were kept dry. This the speaker interpreted as establishing the fact that on each metal there is a surface charge over and above the volume charge of the plate, which it takes time to place there and time to remove, thus causing the variation in his initial curve.

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PENN FRESHMEN PASS BIG STRENGTH TESTS

Seven Men Reached 1,300 Kilo Mark—Michael Darijas

Pennsylvania, Nov. 20.—The strength record tests of the Freshman Class at Pennsylvania show several exceptionally strong men. Seven men attained the 1,300 kilo mark, which was the high record until broken by Michael Darijas when he reached the 1,700 kilo mark. The best record of this year, aside from Darijas', was made by F. W. Hassan, who totalled 1,496, H. F. Moffitt being next in the list with 1,486. Five men reached 1,300, eight the 1,200 and eight the 1,100.

Round About the College

There is a room to be let at the Strathcona Hall. All applications must be handed in to the secretaries before to-morrow.

A sale of pennants, posters, candies, etc., will take place in the R.V.C. at 4 o'clock Saturday under the auspices of the Y.W.C.A. Tea will be served.

The Intercollegiate and Birkett Cup rifle teams are requested to be on hand at Rice's at one o'clock on Monday to have their pictures taken. Rifles should be brought.

The clock in the Arts Building expressed its approval of labor unions at three o'clock yesterday afternoon. It began striking and was not stopped for three minutes.

There will be a meeting today at one o'clock in the Common Room, for the presidents of the various societies and years, to discuss a question of [illegible]

The large map of Montreal and vicinity, which now adorns the Union, was procured from the International Geological Congress, through the efforts of a member of the Students' Council.

The executive of the Union will meet at Rice's at 6 o'clock tonight, for the purpose of having a group photo taken for the Annual. Smith, McCusker and Paisley are particularly requested to bear this in mind.

The picture of the Junior Year football team will be taken at Rice's this afternoon at 5.15 instead of 4.15 as previously announced. All those who turned out for the team are urged to be on hand. Suits and sweaters are required.

On Saturday noon Arts '16, champions of their faculty, will meet Med. '17, the best men in that faculty, to decide final inter-faculty honors in football. L. C. Montgomery, Med. '17, and John Abbott, Arts '15, will handle the game.

The University of Ottawa Review has been received at The Daily. It announces plans for a large increase in the accommodation for students at the institution. The Sheaf, from the University of Saskatchewan; The Student, from Edinburgh; the Glasgow University Magazine, and the Texas Monthly are also to hand.

Great consternation was created among the Y.M.C.A. officials yesterday, when they beheld the huge gathering of McGill poloists wishing to take the plunge for their practice. If the present enthusiasm continues, they will, without much effort, be able to produce a man to play against the two Y.M.H.A. teams next Tuesday night. Two men turned out.

Four officers of the Imperial army have been secured by the University authorities to lecture before students on military subjects, if enough volunteer to start classes. They are Colonel Wood, Colonel English, Major Robinson and Capt. Tyrell. Their classes will be in military history, administration, tactics, strategy and military engineering. These lectures have been delivered for the past five years, and not only have proven interesting to those especially interested in the subject, but to many outsiders who have taken lectures. The Daily will contain an announcement of further arrangements in regard to these classes.

INCREASE AT OKLAHOMA.

The University of Oklahoma opened with an enrollment of 804, an increase of two hundred over last year.

Correspondence

The Editor, McGill Daily:

Will you kindly permit me the use of some of the valuable space in your communication column.

As the series of College dances is just about to commence it has occurred to me that this would be a very opportune time to bring forward a matter in connection with our dances, which I trust all students will carefully and thoughtfully consider.

I refer to the practice of making up dummy or duplicate programmes and then engaging all the dances on the programme long before the date on which the dance is to be held. This practice previous to last winter had never assumed any sweeping proportions, and it was a keen disappointment to many of our supporters last year to find such a useless practice so universally followed by nearly every student who attended the dances.

There are a few reasons, I will admit, in favor of such a practice, but there are many reasons why it should be discontinued. It has been said that it is a great time saver at the hour of the dance if the programmes have been all arranged. That may be so, but I do not think it constitutes any adequate reason for pursuing a plan which is so manifestly unfair to the graduate and non-student guests who patronize our dances and pay the maximum price for admission. It is unfair to our friends from the outside, and bitterly disappointing to them to come to our dances and find the programmes are all "filled up long ago."

Students mingling with each other every day have ample opportunities of engaging their dances far in advance, but the gentlemen from the outside have no opportunity of coming into touch with the students and consequently no chance to engage dances for their prospective friends, until they arrive at the ballroom. Two or three outsiders who patronized one of our dances last year are reported to have complained bitterly of their disappointment on attending the dance and being unable to engage dances or get acquainted even, because all the programmes had been filled up. The gentlemen must have paid the maximum price of admission and we can all appreciate their feelings when they were unable to enjoy their evening properly.

Such cases tend to detract from the success of our dances and we do not wish it to be said that they did not have their expected enjoyment. Yet that is what was said last year. And again, when the dances are all engaged on dummy programmes, between students themselves, very few of the ladies are known to the gentlemen to whom their dances have been engaged. All introductions cannot very well be confirmed before the dancing commences, and it is a very awkward proceeding for a gentleman, after the bugler has announced the next dance, to attempt to find his lady's partner and perform the introduction, then to seek out his own partner. Frequently these partners cannot be located until the dance is half finished ,and I think the whole plan tends to work out badly, causing a tremendous lot of confusion and a great deal of disappointment and dissatisfaction. I would like if our students would consider the point I have tried to bring forward, and I am sure they will all realize that there is nothing profitable in the practice of making dummy programmes.

Our dances should be to promote broader acquaintanceship, such as can only be accomplished by introductions and the personally engaged dances on the ballroom floor. Our dances of two and three years ago were more successful in creating broader acquaintanceship than those of last year, and I think the reason lay in the fact that the dances were engaged on the ballroom floor and not in the lecture rooms, classes, campus or elsewhere.

As a closing remark I would again express a wish that we abandon this practice this year and engage our dances in the ballroom, and thus even the outsider will have a fair chance to have a full evening's enjoyment.

Thanking you for your space.

STUDENT.

YOUNG CANADA.

Editor, McGill Daily:

Sir,—Ever since I landed in this country I have felt as though I had no business here. I have felt as though I had left sunshine and life behind me in Europe. I have questioned myself many a time as to this feeling and I think I have got to the real root of it. It is not because I have been unsuccessful in finding work, and thereby the means of living, or that I have been shown the cold shoulder when I applied for a "job:" I claim to be as successful as most, and perhaps even a little more successful than the general run of Englishmen who come here, after having read the glowing accounts of Canada's prosperity as we see it across the water. It is quite another cause, which impresses me and other Englishmen with an uncomfortable feeling of strangeness and the seemingly impossible hope of ever settling down on these shores—it is contained in the one word, education.

Is there any affinity between a young Canadian and a young Englishman? I answer that if there be any it is very little indeed and for the reasons I now give.

One of the great questions of the day in Canada which is agitating the minds of all those who think and wish Canada prosperity, is the question of prices, not only of food, but of everything. Now I meet many young Canadians, and I have never yet been able to get a sensible thought expressed upon the subject of prices—nay, it is impossible to get young Canada to take any interest in the conditions of domestic affairs—not only does young Canada ignore the existence of any such problem, but cares as little about it as if the trouble the country has to face now is not sure to be a trouble later for these young indifferents to face later. I never even hear young Canadians discussing among themselves, so I am forced to the disagreeable conclusion that their silence is not because of my nationality, but because they are unable to discuss, and further will not try, or interest themselves. The education which has brought this result about is not a right education, and it is only at the door of the schools and universities we must lay the blame. Young Englishmen, and for that matter young Europeans, are not naturally more inclined to take an interest in their country than Canadians, but they do, as a matter of fact, take ten times the interest, and simply because they are taught to do so. They are taught at school and university that unless the rising generation throws its heart and soul into the conditions of its own age it is bound later to reap the crop of indifference and sloth. I have mentioned this slackness and indifference to some of my acquaintances, and the only reply I have had is, "Oh, we don't want to bother about such matters; we want to be happy." Can a more selfish and, alas, disastrous policy exist than this—just want to be happy; and the other poor mortals who are unable to be happy because they are unable to even keep the table supplied with the bare necessities of life, are to be miserable. I will put aside the fact of discussing the matter, owing to its importance in the country, but regard it from an educational point of view, i.e., the mere fact of discussion. Young Canada does not discuss, it does not weigh and consider, it does not bring to light the pros and cons of any case. And by so neglecting this one great factor in education, it produces young men of slow and heavy intellect, always more ready to watch a football match than watch the growth of its brain. I carry my thoughts back to the days when I mixed with fellows of my own age, when I heard Smith, of Cambridge, uphold the rights of the people. When in his youthful ardor he brought forth from his brain all the thoughts he could muster to carry weight with his opponents, he even suddenly framed arguments which we never dreamt he possessed until the stimulant of opposition and enthusiasm served them like lightning in his mind. I hear Jones, of Oxford, in his turn, casting all his scorn upon the ideas and absurdities of Smith—he ignores even the existence of a people; but for all that Jones finds it expedient to discuss and endeavor to get the better of his opponents. I see the result of these various ideas, the clash of youthful enthusiasm, and I see Jones, of Oxford, defeated in the end, as there are many more Smiths than Joneses in the world. I cast aside the merit or the demerits of the case, and look upon the fact of discussion. I ask myself whether these arguments of Jones or Smith produced other fruit than mere words. And I am bound to confess they did. The young student who is forced to use his brain and make the best of his abilities is educating himself far faster than all the knowledge of algebra and Greek will ever do. The student who discusses is bound to keep his mind alive, full of energy. He must be on the "qui vive." He must prepare in a moment a crushing argument to hurl at the head of his adversary; he must weigh, consider, digest, and through it all he must keep cool, and be a man. Does young Canada weigh, consider and digest the domestic problems of the Dominion? Does it enliven its mind with the thoughts of the present and future? I fear not, and I much regret that it is this desult which makes Englishmen feel a kind of mental starvation. What topic of conversation do we hear among the students at university or school?—football, baseball, etc. Now keen a sportsman as I am, and keen as most of the young men of the Old Country are, I must confess that I tire of everlasting sport, which is not surprising, for a man who thinks cannot think "football" all day, otherwise his brain will go. The brain is like a garden; it must be fed to produce, and football never yet fed the brain of any man, and never will. It was made for the body. But if the body is to rule a country, then young Canada is on the right road, but if the brain is to rule, then sport must find its right level, and that is on the campus and not in the house, everywhere and always. Again, this aptitude for thought is not engendered in youth, and this is a great mistake. Canadian schools seem to consider only one thing of importance in its teachings, and that is to gain a good, practical education. Can a more shortsighted view be held than this practical view? If young Canada is a result of the practical education, then the sooner an unpractical education is founded, the better it will be for the country. A schoolboy does not want a practical education. He does not want to be taught only those things which will in life earn for him his bread and butter. He wants something far greater than that. He wants an unpractical image for ever held above him which he can never grasp, but which he always strives to reach, but fails. It is the unpractical things of life which educate, and it is these things which form minds and brains. Art, literature, anything unpractical, will produce later a sound head, a polished head, and a mind far more practical when ripe, than any brain fed during its youth on practical food.

The boy trained and developed on things heightening and elevating, such as art, can be compared to the domestic animal. The domestic animal, which lives with mankind, which is dependent upon man, which is so educated that if it could talk would almost be human. Then look at the practical animal, such as we find in the forests, savage, but able to find food even in the hardest of winters, and yet would we prefer a wolf at our fireside to its educated brother the dog?—Yours sincerely,

V. F. DELBOS.

POLITICAL ECONOMY CLUB.

73 Sherbrooke St. E.,
Montreal, Nov. 20th, 1913.

The Editor, McGill Daily:

Dear Sir,—On behalf of the newly-formed Political Economy Club, which has been unfortunate enough to raise the ire of Mr. Bieler, allow me to explain in your columns why, in spite of the arguments (sic) he marshals against this club, he need not have been so greatly surprised at its formation.

The Political Economy Club was formed with but a single object in view, namely, to give the members of the Honor Course in Economics who are presumably more interested in Economics than in any other subject, including even History, an opportunity of discussing in a more informal and detailed manner than is desirable or possible in the lecture room, the questions which are continually cropping up there, but which time-table exigencies do not allow to be settled there. As a completement to the regular course, and to take the place of the Seminar of other universities, this club has received the unstinted approval and support of the professors of the department, and of all the honor students therein. If, as Mr. Beller claims, there is a growing feeling against small clubs, owing to their undesirability, the Historical Club, for whom in particular he seems to hold a brief, is in a similar position to ours. In order that the undesirable may be eliminated as speedily as possible, Mr. Bieler should welcome the advent of another occupant into the sinking boat of small societies, as thus the sinking process would be hastened. But I do not believe that societies which have functions to perform, and which perform them, are in any way undesirable. That a new society may injure an old one is perhaps possible. But why necessarily conclude that the blame, if any, is to be attached to the new one? Any society which draws its members from the proper source, and preserves its attractions and usefulness for them, should have nothing to fear from a new society with different aims and methods. If it does fear injury, one is inevitably forced to the conclusion that not the evils of the new society, but the defects of the old, are responsible.

As for the graciousness of the Historical Society in also fulfilling the functions of an economic society, by permitting its members to discuss the economic problems of the universe at one meeting a year, such pabulum is for the young. Perhaps it would be better that the historians should stick to History, and leave Economics to the Economists.

In conclusion, I beg to suggest that Mr. Beller's statement that "the great majority" of the honor students in Economics are members of the Historical Club is "somewhat exaggerated," and will stand considerable downward revision. But perhaps Mr. Beller has inadvertently written "the great majority" in place the "the majority of the great."

I am, Mr. Editor,
Very sincerely yours,
J. VINER, Arts '14.

MORE DANCES.

The Editor, McGill Daily:

Dear Sir,—In last Saturday's issue of the Daily a comment was made on the anomalyof upper classmen attending the Freshman-R. V. C. conversazione. While I do not, in any way, uphold the tendency which is steadily growing year by year, the cause must be known before a remedy can be applied. The reason, however, seems quite evident. It is the desire of the students for more functions of an informal nature.

Knowing that the conversat. was one of few informal functions of the year students of all years and faculties seized the opportunity of enjoying themselves at the annual evening social, nor were they disappointed. The committee in charge did everything that could be done to give a good time, and succeeded to such a degree that everyone as they were leaving wished it might come once a month instead of once a year.

There are many students at McGill who are comparative strangers outside the university, and either because they do not dance, or for other reasons equally valid, do not attend the college dances, yet they appreciate an affair of this kind.. That was a timely recommendation which Dean Moyse brought forward for more informal dances. But why dances? As the conversat. is one of the too few functions, outside the dances, the attendance, including students of all years, last Friday evening certainly demonstrated its popularity and suggests that functions of a somewhat similar nature might popularly be inaugurated in the future. Consequently I would suggest that those in charge make a move in this direction.

New Societies.

There is another matter which has brought forth correspondence in your columns, that is the rise of new societies. It is a deplorable fact that the students of the various years and faculties have seen fit to divide themselves up into innumerable clubs, societies and fraternities which must inevitably give rise to factions and cliques. This, coupled with other circumstances, makes it almost impossible to bring the students together in a unified university life. The general tendency now in all American U. S. and Can.) universities seems to be toward larger organizations in which the students can be brought closer together. In the world of today the small organization has little influence; it is the national or international organization which wields the power. So in university life the organization of any one year or faculty can have little prestige. If all the energy and time now devoted to a host of small societies in McGill were turned towards the organization and perfection of one large body the interest and benefit derived from it would be increased immensely. Of course, there must necessarily be some societies dealing with technical subjects, etc. But why have so many when their avowed purpose is to treat of subjects more or less closely allied. Combination would bring to McGill a life which she has never been able to realize in the past.

Thanking you for your valued space, I am,

Yours truly,
OBSERVER.

THINGS THEATRICAL

THE NEW GRAND.

The New Grand will offer for the week, commencing Monday, Nov. 24th, an exceptional list of attractive photo plays. The first four days of the week Daniel Frohman presents the American comedian and legitimate star Henry E. Dixey, supported by Laura Sawyer and House Peters, in an original drama of the underworld, entitled "Chelsea 7750." Mr. Dixey, well known in Montreal for his clever impersonations in "The Seven ages," "Adonis" and later in "The Man on the Box", is a local favorite. In "Chelsea 7750" he is provided with one of the strongest parts which in all his versatile and extended career he has ever portrayed. Startling climaxes, thrilling situations and ingenious machinations crowd each other in rapid succession.

Besides "Chelsea 7750" for Sunday, Monday and Tuesday one of the very exclusive and magnificent reproductions of biblical history, "Daniel in the Lions' Den" will be given. "Daniel in the Den of Lions" and the "Children of Israel in the Fiery Furnace," with the wonderful events leading up to this well-known portion of biblical history are faithfully presented. The usual change of exclusive feature photo plays are promised for Wednesday and Friday, besides the larger and more important "specials" includes "The Pride of Battery B", "Perils of the Sea", "Get up Napoleon", "Little Jack", "Told by Fate", "Unmasked" and several "all laughter" plays. The extra added attraction will be the little gray lady in songs, while McDougall and his harmonists have arranged an unusual and brilliant programme of popular and operatic selections.

IMPERIAL.

The bill at the Imperial Theatre the past week has been up to the regular high standard that the Imperial has maintained since it's opening. Next week promises to be a banner week for photo-plays and specialties.

The management has been fortunate enough to secure a return engagement of Rae Eleanor Ball, the noted violinist, who, since her appearance here has played all the leading theatres in America with wonderful success, and true lovers of music should avail themselves of this opportunity, as Miss Ball is a thorough musician. In fact she is termed America's Favorite Lady Violinist, a title which she has earned from years of hard study. She has a wonderful personality and a pleasing stage presence. No doubt she will be welcomed by the number of friends that she made on her last engagement at the Imperial.

The Aldephi Trio, a lady and two gentlemen, make their first appearance in Montreal. Judging from the reports of various cities where they have appeared their work, as singers, is of the highest character.

The photo-play bill will include the fifth story of "Who Will Marry Mary," which has been an attraction to a great majority, as this story is made in collaboration with one of the leading ladies' journals published. Others are "The Escape of Jim Dolan," two reels; "Green-Eyed Monster of Jealousy," two reels; "A Good Sport," two reels; "The Weekly News Bulletin and the English Gazette," "King Edward at Liverpool," "Making Eight-Ton Rope," "Fashion Laws of the Swiss Cantons," "Temples and Statues of Rome." A selected lot of story and comedy pictures is also added, which in all will make a week's programme of sterling character.

The pony contest is exciting the interest of the children and at present there are about seven hundred registered and every day sees the list growing. The management this week will give a free pass for one week to the contestant having the greatest number of votes up to Saturday. This is surely a generous offer and no doubt every contestant will endeavor to claim this extra prize.

ECONOMISTS FORM CLUB

(Contined from page 1.)

The president, after thanking Dr. Leacock for his words of advice, called on Dr. Hemmeon to speak on the subject of recent theoretical developments on economic subjects in the United States.

Dr. Hemmeon began by mentioning the American Economic Association, which had been formed in the United States for the study of economic questions. He said that American economists were very greatly influenced by the German and Austrian schools. There are, however, a few men in the States who have developed some purely American, or, rather, original theories. Among these he mentioned prof. Clark, of Columbia, who has put forth the Productivity Theory. There is a school of American economists also, represented by Harvard and many of the eastern colleges and Chicago in the middle west, which is influenced by the classical economists.

Dr. Hemmeon then advised that the papers should be made short in length and of general interest, and perhaps two or more read in the evening, as his experience in a similar club at Harvard had been that when the papers were long, the members lost interest and were incapable of producing much discussion after listening for an hour or more to a paper on a subject of interest possibly to the reader, but certainly to no one else.

After Dr. Hemmeon's address it was moved that the secretary or some competent member of the club should write a reply to the letter which appeared in yesterday's Daily criticizing the organization of the club. This letter will be found in another column of to-day's issue.

The arrangements for all future meetings are in the hands of the executive committee, and the first one will be held shortly after Christmas. As there was no further business the meeting adjourned.

SHERWOOD EDDY WILL SPEAK SOON AT HALL

Noted Y.M.C.A. Secretary Will Be Here at End of Month

Mr. Sherwood Eddy is coming. The well known student Y. M. C. A. worker will be here a week from next Sunday. He will address the Sunday afternoon meeting in Strathcona Hall on that day—November 30th. It will be remembered that Mr. Eddy was expected here last month, but was compelled to postpone his trip at that time. He has now definitely arranged to speak at Strathcona Hall to the students of McGill on the last day of this month. Further announcements will appear in due course.

ANATOMY PROFESSOR TO SPEAK TO-NIGHT

Dr. Geddes Will Again Address Medical Society in New Medical Building

This evening Dr. Geddes will again address the Medical Society in the new Medical Building. His subject will be "Some Anatomical Considerations of Intestnial Statis," and his lecture will be illustrated by slides.

The first lecture given by the new professor in Anatomy, given at the beginning of the term, was very well received. Dr. Geddes speaks in a very clear manner and always seems master of his subject.

After his address nominations for a representative from Medicine for the Students' Council will be taken. A little music also will be provided, consisting of a piano duet by Wolff and Renaud and a violin solo by Lunney.

UP TO DATE.

The boy stood on the burning deck,
The coward crew had fled.
The flaming ship lit up the sea;
The scene was grim and dread.
The people cried, "Oh! leave your boat
'Twill do no good to die."
But through the smoke and flying sparks
He made them this reply:

"My dear good people, can't you see,
I wear asbestos clothes,
Made by John Faker Company,
Whom everybody knows.
This is just a demonstration
To show how good they are.
I made this fire with Skinner's oil,
Imported from afar.

"So there you see the reason why
I stand up here and bake,
Though I would much prefer, you know,
To jump into the lake.
Don't wring your hands or weep for me,
Nor voice despairing moans,
I do this stunt here every night,
And make one hundred bones."

—U. of Ottawa "Review."

AMUSEMENTS.

His Majesty's Theatre
NATIONAL OPERA CO. OF CANADA
MAX RABINOFF, Managing Director.

Fri. at 7.45, THAIS, Mmes. Stanley, De Mette, Hoff, Karl. MM. Roselli, Leon, Rudolf, de Ferran. Corps de Ballet, Soli. Mmes. Gilmore and Cerri. Cond., Savine.

Sat. at 2.00, Double Bill, CAVALLERIA RUSTICANA, Mme. Villani, Claessens, MM. Gaudenzi, Multedo. Cond., Jacchia; and IL SEGRETO DI SUZANNA, Mme. de Phillippe. M. de Ferran. Cond., Spirescu.

Sat. at 7.45, LA GIOCONDA, Mmes. Cassuto, Claessens, Olitzka. MM. Farmo, Segura-Taillen, Martino. Grand Corps de Ballet. Premiere, Mme. Gilmore. Cond., Jacchia.

Prices for Opera, 75c. to $3.00; Concerts, 25c. to $2.00. Steinway Piano used, furnished by C. W. Lindsay Co.

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Great Railroad Story in Two Parts, and Six Others
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RAE ELEANOR BALL.
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PICTURES CHANGE MON. WED. FRI. AND SUN.

THE NEW GRAND ST CATHERINE AT STANLEY ST
Sunday
Monday
Tuesday
A LEAF FROM BIBLICAL HISTORY
Daniel in the Lions' Den
BETTER THAN A SERMON.
Many Other Features
4 DAYS 4 NIGHTS Nov. 24, 25, 26, 27
Daniel Frohman Offers
Henry E. Dixey
And the Famous Players in a Thrilling Detective Story
Chelsea 7750
Many other feature photo plays
Coming: MRS. LANGTRY.

The Strand
PHOTO PLAYS DE LUXE
Cor. St. Catherine and Mansfield
TO-DAY
Dr. Nicholson and the Blue Diamond
In Four Reels
The Imposter
In Two Reels
Coming: "The Checkers."

"REGIOPOLES" NAME OF KINGSTON SCHOOL

Plans Are Being Prepared to Erect It at Once

Kingston, Nov. 20.—William Newlands and Sons, architects, are preparing the plans for the new Regiopolis College, the contract for the excavation for which has been awarded. It is expected that tenders will be called for the work entailed in the erection of the new education building in about a month's time.

It will be about the same size as the collegiate institute, without the proposed extension or the gymnasium. The plans provide for a building 62 by 72 feet, four storeys, including the basement. An assembly hall will be on the upper floor. There are to be eleven class and two staff rooms, as well as those for other conveniences. The structure will be a handsome addition to the district about Thomas and Russell streets, where it is to be built, of regular coursed rock-faced ashlar, with cut-stone dressings.

Provision will be made for addition, and the church which is intended on the same property, will be erected later.

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INTERMEDIATE POLO TEAM MAY DROP OUT OF LEAGUE

Repeated Poor Turn-outs May Cause Disbanding—Two Men Out Yesterday

The water polo practice held in the Y.M. tank yesterday afternoon was another miserable failure, only two men showing up for their plunge. It is not as if this was the first occurrence of this poor showing, but every practice for the last two weeks has been the same. In the matches against the Laurentians last Tuesday one of the Intermediate men failed to turn up, and as a result the team were forced to play a man short, the Laurentians dropping one to equalize. Also on several occasions the Seniors have been forced at the last minute to fill their ranks from the Intermediates. In fact one of them, Pengelley, has now played so often in senior company that he is ineligible for the Intermediates.

After these repeated poor turnouts disbanding is staring the polo men, at least the Intermediates, in the face, and unless a lot more men show up for the practices, it is doubtful whether they will be able to continue in the league.

Both teams are scheduled to meet the Y.M.H.A. outfits next Tuesday evening, and the last practice previous to these games will be held on Saturday afternoon when all men who have any desire to make either of the teams are requested to be on hand.

What About Souvenirs?

Last year when the McGill football team won the Intercollegiate championship the Students' Council presented each member of the organization with a cygnet ring as a souvenir of the victory, and also as a token of appreciation from the student body. These rings were presented at the football dinner, held at the close of the season and, needless to say, were very much appreciated by the recipients as a recognition on the part of the students of the team's unselfish efforts on the gridiron.

This year the championship has been won again but, although the time for the football dinner is less than a week distant, no steps have as yet been taken towards a similar presentation to this year's champions. Undoubtedly something should be done and done quickly, as it would be regrettable indeed if the players who have carried the Red and White to victory on occasions like that of Saturday, were not given some concrete souvenir of such a memorable season. Unless the students take the initiative in this matter it is unlikely that the players will have any souvenirs other than the marks left upon them by opposing teams, and these, it is to be hoped, are not permanent.

It will probably only be necessary to call attention to the lamentable lethargy which apparently exists in connection with this matter, to produce the desired results, and it is with this in view that the present state of affairs is mentioned here. As far as the Students' Council is concerned, that body has considered the matter but for various reasons decided to do nothing. Not because the members were unwilling, however. The Council is in a difficult position and it is up to the students to help matters as much as possible.

Early in the year the Council was forced to cut down expenses in order to meet the deficit which it is facing, the first step in this direction being the withdrawal of financial support from certain minor athletic clubs. These clubs had always been a dead loss and it was thought that under present conditions no money could be sunk for the purpose of keeping losing ventures afloat. Consequently, the Council feels that should money be spent at the present time for the purpose of presenting tokens of some sort to the football champions, the members of the clubs from which financial support was withdrawn would raise objections and point to the incident as an instance of inconsistency.

It is extremely improbable, however, that any such petty objections would be made to the expenditure of a few dollars for the purpose of making some recognition of the grand work done by the Red-Banded Squad during the past season. Owing to the team's success a large profit has been realized by the football club, and this has, of course, been turned over to the Council. The money necessary to procure suitable souvenirs would hardly be missed from the surplus revenue. However, some expression of opinion will have to be given by the student body, showing a desire for this small expenditure, before it can be made. This expression, to be of any use must come immediately, as otherwise nothing suitable for presentation can be made in time for Wednesday's dinner. If anything is to be done by the presidents of the different classes to-day, either a subscription should be started among the students themselves or the Council should be empowered by the vote of the undergraduates to make the necessary expenditure.

SENIORS WILL GIVE MOVING PICTURE SHOW

Athletic Events Will Be Thrown On Screen at Stanford University

Stanford, University, Cal., Nov. 20.—Motion pictures of the intercollegiate rugby match between Stanford and California last Saturday are to be shown in the Assembly Hall at Stanford University on Friday, November 21. The right to exhibit the pictures has been secured by the senior class. It is planned to show the films both afternoon and evening. The afternoon performance will be given so as to furnish an opportunity for those who will attend the Sophomore Cotillion in the evening to witness the game on the canvas.

In addition to the big game reels other rugby games will be thrown on the screen. Various athletic events of recent date will also be included. The moving picture men have pictures of the happenings on the turf during the days just previous to the game, and these will be shown.

The afternoon performance will be given at 4.30 o'clock. This will afford those who live off the campus an opportunity to see the pictures after their class work is over.

P. B. McKee, of the Senior class has named the following committee to arrange the entertainment: W. S. Burns, chairman, F. E. Franceschi, R. C. Maple, Misses Callie Smith, Vivian Howard and Louise Curtice.

ANN ARBOR DANCES CLOSE AT MIDNIGHT

Honor Societies Favor Closing All Except Traditional Dances At 12 O'clock

Ann Harbour, Nov. 20.—Dancing after midnight at Michigan University is said to be doomed. Student sentiment, as characterized by campus societies, favors the cessation of all dancing at midnight except for those dances which are traditional with the honorary organizations.

Michigamua, Triangles, Griffins, Barristers and Druids expressed this sentiment last night as prevalent among them.

Professor A. H. Lloyd, of the non-athletic committee, met the society representatives last week. He suggested that all honorary society dances ought to close at midnight, that a better class of music should be provided, and a reorganization of the chaperone system might be made. To consider this matter Patrick Koontz, '14, was instructed to appoint a committee, which is to report the matter at the next meeting of the non-athletic committee. The meeting will probably be held next week.

According to statements made last night, it remains to the joint committees of the students and non-athletic committee to decide whether this will apply to all dances conducted in Ann Arbor for students.

THE COLLEGE JUMBLE

Interesting Items About Other Universities Allrunintogether

Illinois is to have a drill field of eighteen acres.

Columbia declares that athletics do not shorten the lives of participants.

Yale will have an artificial ice hockey rink this winter.

Louisiana State University now has a well-established school of journalism.

The University of Wisconsin held a soccer tournament during the past week. It was the first tournament of this sport ever held in the west.

The University of Michigan has an annual tag day to raise money to send her band to the various football games.

President Van Hise, of the University of Wisconsin, has expressed himself as being strongly opposed to the house parties that are given there.

The Mexican disorders have not checked educational progress. One hundred and sixty-seven new government schools for natives have been organized during the year.

The teaching of journalism is one of the biggest problems being handled just now by the universities. The second annual conference of instructors in journalism will be held at Wisconsin on November 28 and 29.

Princeton University will have a university press for the publication of all books deemed worthy to bear the University's stamp. Columbia, Yale and Harvard already have such presses.

Students at Baylor have inaugurated a movement to secure funds for the erection of a clubhouse for athletes. As a starter for the campaign, the students and faculty have subscribed $1750.

Candidates for the Missouri baseball team are out for track. Coach O. F. Field has issued a call to all candidates to report for track. They will be given special training in sprints to develop speed in baserunning.

The Athletic Association of Yale University has recently made a regulation to the effect that no man who in the future wins insignia in minor sports can wear such minor insignia on his hat.

The maximum number of foreign students in the German universities is to be fixed by the government. There was a strike at the University of Halle this year because RAussians were crowding the Germans out.

At the University of Illinois a great farmers' convention hall is being built. It will seat 11,000. When the farmers are not busy with it the cadet regiment will use it as an armory and the university athletes will have an indoor gridiron and diamond under its shelter.

Fraternities at Minnesota have been ranked in a scholarship list on the basis of the average stand of the members of each chapter. Zeta Psi led the fraternity roll and Delta Gamma the sororities, but all but two of the ten sororities ranked higher than the highest fraternity.

A homecraft course is open to girls at the Wadleigh High School in New York city. The four years include plenty of domestic science and art, with household arithmetic, household management and, by way of electives, bacteriology, sanitation and the fundamentals of legal procedure.

Michigan seems strongly against returning to the Western Conference, which they left after the disagreement in 1910. At a recent vote taken by the student body and faculty the proposed return was defeated by the overwhelming vote of 2324 to 911.

The school of mines at Columbia, which is to celebrate its fiftieth anniversary next spring, has a mine as one birthday gift. Unused workings in Connecticut near the summer surveying camp have been leased so that the miners can get the most practical kind of mine surveying.

The work on the new Widener library, at Harvard, has been almost at a standstill for some days, with no prospects of an immediate renewal, owing to a strike among the bricklayers employed on the building. This misfortune will prevent the roofing of the library before the cold weather. The building is now almost to its full height and the stacks are nearly completed.

Yale is planning an "Alumni University Day", with the purpose of calling back graduates living in New England at a time when there is no distracting programme of events and the visitors may observe the work of the University at leisure. The graduates will meet in New Haven on the day preceding or the day following Washington's birthday. The exact date will be fixed later.

YALE INCREASES FEES.

New Haven, Conn., Nov. 20.—At the fall meeting of the Corporation, the tuition of Yale College was raised from $155 to $160 a year, and in Sheff, from $150 to $180 a year. This will go into effect with the classes that enter in 1914.

Yale received a gift of $50,000 for scholarships from M. R. Hine, of Ansonia, Conn.

OUT TO WIN, ENGLISH RUGBY TEAM HOLDS HARD PRACTICE

Snap and Vim Characterize Work of Men Who Will Play for the Championship To-morrow

The English Rugby squad held their final practice of the week yesterday afternoon, in preparation for the struggle with Lachine on Saturday. All the players were out and a good hour's work was indulged in.

Kicking, running, passing and scrim formations were gone through in snappy fashion, and although the work out was a strenuous one, none of the men showed any signs of poor condition.

The contest with Lachine is expected to be a close one, but on their form to date McGill should pull out a win. A hard field will favor the Red and White as the players are fast and play a more scientific game than their opponents. Should the game result in a victory for McGill the championship will be won, while a loss would put the students back to second place. The struggle will be staged on the High School grounds and should attract a good attendance.

The McGill team will take the field as follows:

Backs, Touhy, Busby, Clarke, McPhail, Shannon; halves, Yeo, Pierce; forwards, Hunter, Brown, Twinborough, Bell-Irving, Ripley, Murray, Levick, Miller, Des Brisay, Ross.

HARRIER RACERS NOT TIRED OF RUNNING

Two of Queen's Entries in Intercollegiate Win Out at Home

Kingston, Nov. 20.—Eight men started in the inter-faculty two and one-half mile race Tuesday afternoon. The race was closely contested. "Pat" O'Connor, of Science '16, finished first, while Gilbert, of Arts '16, ran a close second. Ravelle finished third. Prizes as follows were offered: First, a pair of shoes; second, a Queen's silver fob; third, a Queen's bronze fob.

Arts '15 and '17 played an inter-year game last night on the lower campus before many students. Arts '15 had the game well in hand throughout, the final score being 24-4. Donaldson and Zeron played the best for the Freshmen, while Pilgrim and McKenzie were effective for '15. The line-up was as follows:

Arts '15—Halves, McKenzie, Melville, Creuss; quarter, Connel; right, Dunlop, Leischman, Oliver; left, Campbell, Stein, O'Mara; scrimmage, Pilgrim, McInnes, Graham; flying wing, McKinnon.

Arts '17—Halves, McGowan, Hill, Donaldson; quarter, O'Dell; right, Edwards, Mills, Zeron; left, Buller, Mayers, Mathews; scrimmage, Fairbairn, Dettler, Wilson; flying wing, Chown.

The first basketball team held its first practice last evening. There was a good turnout.

The regular meeting of the Arts Society was held last evening. Nominations for candidates to represent the Faculty of Arts in the A. M. S. elections were received, as follows: President, H. Harkness, B.Sc.; first vice-president, J. I. McKay; second vice-president, D. Adams, B.A.; secretary, J. Bennie; assistant secretary, M. E. McQuay; treasurer, A. Whitehead; committee men, Adrian, Macdonald, Kearney, Edwards, Hill.

LOCALS TRYING FOR TERRIBLE REVENGE

Campus the Scene, and Macdonald College the Foe in Soccer

MacDonald College is still not afraid. One reason of this is that she defeated the Montreal students of McGill University at soccer the first of the season. The score was 2—1.

But the Montreal students say theirs was merely a chance picked team which went down to defeat. And so today they are going out again, with the best in several colleges.

The campus will be the scene of the battle this afternoon. The MacDonald College men have not given out their line-up, but the locals will choose their team from Hale, MacDairmid, Johnson, Newson, Henton, Scheith, Williams, McVittie, Bott (Capt) ,MacPherson, and Swanceski This will be the last match of the season.

ANNUAL POSTER FIGHT TO BE HELD AT PENN.

Rules Have Been Drawn Up—Freshmen and Sophomores Will Battle

Pennsylvania, November 20.—Definite rules for this year's freshman Poster fight at Pennsylvania were drawn up last night by Chester A. Minds, president of the senior class. This fight has never been governed by a permanent set of regulations, and, in order to settle all disputes, president Minds said that the entering class must comply with these rules:

1. The poster must be put up before Thanksgiving Day.
2. It must still be on the back door of College Hall at 6 o'clock in the morning, and must have been on the door at least fifteen minutes before that time.
3. The whole Poster must be pasted flat on the door.
4. At least two seniors must have seen that these rules are obeyed.

No fight on Sunday

In addition to these fixed rules, the committee from both classes in charge of the fight have agreed that the fight shall not take place on Sunday morning. It is also a settled custom that the Freshmen shall be allowed only one attempt to put up their poster, and that after one failure the fight shall be awarded to the sophomores.

According to rule 4, the freshmen may get any two or more seniors to testify to the fact that the poster was up. In former years the senior president had to see the poster, but, as Minds is on the football squad, and Madeira, the vice-president, on the cross-country squad, the regulations have been changed in this respect this year.

The question of the advisability of abandoning the Push-Ball fight will be brought up at the meeting of the Undergraduate Committee at 1 o'clock to-day. If this fight is dropped, some other, to be decided to-day, will be substituted. Several new fights have been suggested, but none chosen as yet. The trouble with the Push-Ball Fight is that not enough men can take part in the actual fighting.

The date for the Bowl Fight will be decided in a few days. President Minds will appoint a committee to take charge of this fight, which will take place early in December.

LONG GAINS ARE MADE BY AMERICAN PLAYERS

Chicago Man Made 106 Yards From Kick-off in Wisconsin Game

A list of the longest and most famous runs in the annals of American football has been compiled.

They are:

106 yards—W. H. Eckersall (Chicago) vs. Wisconsin, Nov. 26, 1904, from kick-off.

105 yards—H. M. Coleman (Wisconsin) vs. Minnesota, Oct. 24, 1891, from fumble.

105 yards—Charles Dillon (Carlisle) vs. Harvard, Oct. 31, 1903, from kick-off.

105 yards—W. E. Sprackling (Brown) vs. Carlisle, Nov. 20, 1909, from kick-off.

105 yards—R. O. Ainslee (Williams) vs. Cornell, Nov. 4, 1911, from kick-off.

103 yards—W. B. Richardson (Brown) vs. Princeton, Nov. 4, 1899, from fumble.

100 yards—R. W. Watson (Yale) vs. Harvard, Nov. 12, 1881, from kick-off.

100 yards—H. R. Flounders (Yale) vs. Harvard, Nov. 22, 1884, from fumble.

100 yards—E. G. Bray (Lafayette) vs. Pennsylvania, Oct. 21, 1899, from kick-off.

100 yards—Arthur Poe (Princeton) vs. Yale, Nov. 12, 1899, from fumble.

100 yards—E. B. Cochems (Wisconsin) vs. Chicago, Nov. 28, 1901, from kick-off.

100 yards—W. P. Steffen (Chicago) vs. Wisconsin, Nov. 21, 1908, from kick-off.

100 yards—Gustave Welch (Carlisle) vs. Pennsylvania, Nov. 11, 1911, from kick-off.

BOYS OF PRINCETON HOLD CELEBRATION

Football Team Are Entertained At Banquet at Hotel Martinique

Princeton, November 20.—The annual banquet of the Princeton football team was held at the Hotel Martinique in New York. The election of next year's football captain which usually follows this banquet was postponed until next week. The banquet was given by Walter Chandler, '96, the manager of the hotel.

The dinner was attended by over sixty persons, which included all the Varsity players, substitutes and the coaches. President John Grier Hibben, '82, was toastmaster, and speeches were made by Captain Baker, 1914, Keene Fitzpatrick, Coach McClave, '03, E. J. Hart, '12, and others. The Princeton scrubs and other members of the squad were given a banquet in the grill room.

PRINCETON STUDENTS' READMISSION DUBIOUS

Those Who Have Had to Leave Will Have Difficulty in Re-Entrance

Princeton, November 20. — A new rule has been adopted by the Faculty Committee at Princeton on examinations and standing, concerning the re-admission of students who have been dropped because of poor work in their studies. Heretofore, these men have been allowed to return, without trouble, to the University, except in the most flagrant cases. Under the new rule students dropped may apply for admission, but are readmitted only after their records have been investigated, and, if admitted, they are put on trial, and are subject to the restrictions of men on trial.

Men admitted in this way are closely supervised and may be dismissed at any time if their work remains unsatisfactory, whether the cause is loafing, cutting or both. The new rule is now in force. Already this year fifteen students who had been dropped were refused readmission because of their previous records. Those who were admitted were placed on trial and told that neglect of work would result in their prompt withdrawal from the University.

NOVEL PROTECTION FOR HAMMER-THROWERS

M.I. of T. Uses a Cage to Prevent Hammer Going in Wrong Direction

The Massachusetts Institute of Technology has recently built a cage for protection in hammer-throwing, to guard the hammer being thrown in a wrong direction. This is probably the only cage of its kind in this country. It is built of quarter inch wire, woven into a diamond-shaped mesh. Each opening measures two and one-half inches horizontally and five inches vertically. The cage stands seven feet high and has a radius of thirteen and one-half feet; it is enclosed only two-thirds of the way around, the other third being left open in the direction in which the hammer is thrown.

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BOXING CLASS HELD ITS FIRST MEETING

Instructor Proves Efficient—Attendance Small

The first boxing class was held last night in the football room in the Union.

Mr. Blake, the new instructor, was on hand, and is certainly a splendid instructor. He has a vast fund of practical knowledge of the science, and if anyone can develop a winning team it will be he.

The attendance was disappointingly small, only sixteen men being in evidence, but when the quality of the instruction is better known, there should be a capacity class.

ROBBERY PREVENTED AT U. OF ROCHESTER

Students Uncover Tunnel Leading to Art Gallery

Rochester, November 20.—What was believed by the discoverers to be one of the boldest plots in years was unearthed the other day on the campus at the University of Rochester, or rather under it. A long tunnel was found, running from the Alumni gymnasium to the Art Gallery, with the evident purpose of aiding in carrying off the art treasures in the latter building.

The discovery was made by a freshman who happened to be occupied in the basement of the gymnasium. In reaching up to the ceiling to adjust a light near the west wall he slipped, and in falling burst open what proved to be the entrance to a rather spacious tunnel. He peered into the endless stretch of darkness in the cavernous passage and summoned two of his classmates. After a council of war the fearless trio proceeded to explore the tunnel. The few matches in their possession were soon used up, and one man wanted to turn back. But urged on by memories of Edgar Allan Poe, and Conan Doyle, they finally all continued to crawl onward in the darkness. Often they stumbled or slipped, but the spirit of adventure kept them going.

After many falls and bruises they saw a crack of light in the distance. Hurrying on, they came to the evident end of the tunnel, blocked by some obstruction around which the light filtered in. The trio paused before pushing to the solution of the mystery, and then pressed the obstructing panel aside and found themselves in the basement of the Art Gallery.

The freshmen immediately rushed off to notify the authorities. The latter personages agreed that some features of the tunnel were very peculiar, especially the coincidence in that it followed under the cement walk across the campus, and so no sinking in of the surface revealed its existence. Several seemingly insurmountable difficulties presented themselves, chief of which was the question, "What became of the dirt?" Freddie Schultz, janitor of the gym., was exonerated from all complicity.

It is said that a careful watch will be kept to prevent the tunnel from being used for its alleged purpose, and that the authorities will take advantage of its existence to lay steam pipes between the buildings in it.

MORE ARE AT PENN. THAN EVER BEFORE

Total of Sixty-three Hundred Enrolled There This Year

Philadelphia, Nov. 20.—The provost of the University of Pennsylvania has just announced that the enrollment in all the departments for the ensuing year has reached a total of 6,347, or an increase of 1,060 over that of the preceding year. The greatest gain has been in the Wharton School of Finance and Commerce. This year in the 1517 Freshmen there is an increase of 50 per cent. in the Department of Art and Science. The Finance School has an increase of 40 per cent., while that of the Dental School is 30 per cent.

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SWIMMING PROSPECTS IN EASTERN COLLEGES

Yale, Pennsylvania and Princeton Appear to Have Winning Teams

The various college swimming teams have begun practice for this year, and although there are plenty of likely new men there is every indication that the leaders in last year's events will again head the list, as practically all the scorers in last year's individual championship are again available.

Yale still retains all of the members of her victorious relay team, three of whom—Summers, Mayer and Marr—took the three places in last year's fifty yard event. Roberts, who placed second in the hundred is expected to make a strong bid for first honors this year. Arthur McAleenan, the holder of the Metropolitan, Amateur and Intercollegiate titles in fancy diving, and Smith, who only missed first place in the plunge by six inches, are on the eligible list.

P's FOR FOOTBALL.

The University of Pennsylvania Athletic Association has voted to award the 'Varsity "P" to all players who took part in the Dartmouth game.

McGill Daily

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HIGHER THINKING COST

"Plain living and high thinking are no more," mourned a poet about a century ago.

With no discourtesy to Wordsworth, the McGill student of to-day at least would admit that the cost of both had gone up. A glance at University calendars for past years furnishes striking evidence of the fact.

Probably at one stage of each student's preparation for college this year the most popular page in the calendar was numbered "48." It was headed "Students' Expenses," and stated that the minimum cost of a session in the Arts course would be $268, while a moderate figure was $303. Approximations are also made for students in the other faculties.

These estimates are no doubt compiled from average ascertained instances of undergraduate expenditure. A moderate room rent is placed at about $11, and board at between $18 and $25, with the two combined at about $30. This would make the cost of the course for the Science students reach to not much under $450, while the Medicals would be supposed to spend three or four dollars less.

Well may we mourn the by-gone years. Just thirty-six months ago the landladies of Montreal, within a few blocks of the campus, were willing to take $6 a month to shelter us (see Calendar for year 1910-11). But they were also willing, it seems, to accept $14 a month, and we may strike an average at $9. Separate board, kept down, political economy students are informed, by custom and the unwillingness of habitues of the restaurants to pay very high, rose only fifty per cent. in three years. In 1910 it ran between $12 and $18. Lodging with board could be had from $19 a month upward.

Of course, the growth was very gradual. Twenty-four months ago they asked only about $23 a month for board and lodging. Board was placed in the Calendar as available at $14 to $21, while rooms ran from $7 up. Thus the ascent in two years made a 33 p.c. grade only. Thisis less than 1 1-2 p.c. a month. counting holidays.

The cause for this lies in the general prosperity of Montreal. There has been an increase in trade, of buying and selling, and of gold production. Montreal lots have been turned over several times, at prices ranging higher and higher. Value, rents, taxes and board have all gone up together.

But students have more reason to be glad than sorry about this condition. McGill University has benefited largely from it. In donations both to the University and the undergraduate body we have been paid back manyfold. While we spend more for where we sleep, and what we eat Montreal citizens have kept down for us the cost of obtaining what we learn. The very dance and the banquet which the University is to give us, after the performance Theatre Night is a mediate result of a Montreal man's generosity.

And so it befits us to meditate philosophically on these things. Yet one hopes one result of the great McGill building scheme will be the reduction of the cost of this means too, to higher and larger thinking.

A REMINDER

A custom which lived long at McGill and then died for a year has been revived. In looking forward to Theatre Night we naturally ask ourselves whether there will be a repetition of some of the disgraceful scenes which have been enacted in the past, or whether the students will bear in mind that the feeling of animosity which was formerly allowed to exist between the citizens of Montreal and the students, has changed to one of friendly interest, and conduct themselves accordingly.

The Committee of Morals and Discipline in granting their consent to the renewal of this custom, have stated that in view of the behaviour of the undergraduate body so far this session, they feel that they can safely rely upon the students to conduct themselves in a becoming manner.

Smashing up things in general, annoying people or causing inconvenience may prove to be enjoyment for some but does this bespeak the use of those discriminating powers which the average student is supposed to possess?

Such an event as Theatre Night is a thing to be remembered. Would not the memory of it be enhanced if one could look back to an evening's entertainment unmarred by unseemly disturbances or wanton destruction of property?

EDITORIAL NOTES

It will be noticed the "Daily" has established a Round About the College column, all contributions to which in notices and news sentences will be received with our thanks.

From the fact that noise and a number of co-eds were absent from the Redpath Library at the same time last Wednesday afternoon, the "Daily" representative did not conclude that their arrivals would be simultaneous.

A Miniature Battle And Artillery's Part In It

Thirteen Pounder in Canadian Artillery Hardly Recognizable as Gun, Says Major MacNaughton, Sighted for Four Miles.

Major MacNaughton's lecture before the C.O.T.C. on the Canadian Field Artillery is an interesting survey, even to the non-military reader.

He starts out by describing the old-fashioned machines with which the Boer war was won, and tells of the most interesting changes.

At the time of the South African war the F.A. of the British Empire were armed with the 12-pounder, a rifled breech-loading gun provided with tangent lights, deflection scales and brackets for the application of telescopic sights and clinometer.

The shell fired was shrapnel with a fuze which could be set to burst at a definite time after leaving the gun or on percussion.

The gun was mounted on a heavy carriage and a spring spade was provided to assist in absorbing the energy of recoil. The shell and cartridge, or propelling charge, were loaded separately, and fired by a friction tube inserted in a vent in the breech block.

Before the gun was fired it was necessary to remove the delicate sights and for the detachment to stand clear of the recoil. This made the drill rather slow, but fair accuracy was obtained up to about 2,500 yards.

The lessons learnt in 1900-01 and from subsequent experiments in England and on the Continent, showed the necessity for the following essential improvements:

Necessity of protection of detachments against rifle bullets fired from medium range.

More accurate time and percussion fuze.

Need of a gun which was simpler to handle and more rapid in action.

Means for laying from behind cover.

Increased power and range.

GUN WITH SHIELD.

The issue in 1905 of the 18-pounder Q.F. Field and 13-pounder Q.F. Horse gun gave us a weapon in which these improvements had been embodied.

These guns are provided with special steel shields for the protection of the working numbers. The shock of recoil is absorbed by a spring buffer and oil cylinder so completely that very little relaying is required from round to round.

Fixed ammunition is used, in which the shell propelling charge and igniter are loaded in one piece.

The new fuze, T. and P. 80, has an error of less than 1-20 second at 3,000 yards when the proper corrections for altitude and humidity have been applied.

A dial sight somewhat similar to a simple transit is mounted on the shield to enable the gun to be directed on the target by laying at an auxiliary aiming point.

Elevation and laying are done separately, so that the lay is not disturbed by a change of elevation. This is the so-called Independent line of sight.

The cradle is mounted on the carriage so as to permit lateral movement by the traversing gear. This gives facility for the laying by eliminating the necessity of shifting the whole carriage.

Fuze scales are provided, equipped with a corrector graduation, so that when once the proper fuze for any range has been obtained, that for any other may be obtained by inspection.

The gun is sighted to over 6,000 yards and fires a shell weighing approximately 18 pounds at a M.V. of 1800 F.S. The shell contains 375 bullets of 41 to the pound and a few ounces of rifle powder as a bursting charge.

NOT LIKE CANNON

The weapon at first sight is hardly recognizable as a gun, but looks more like a very complicated piece of machinery on wheels. The satisfactory construction and performance have only been made possible by the enormous advances in the mechanical, optical and chemical arts.

Since issue the gun has been improved in many minor ways, the principal one being the provision of a Periscopic sight.

To sum up the principal characteristics of the modern field gun are:

Flatness of trajectory.

Rapidity and accuracy of fire and the power to deliver effective fire from concealed positions, as well as from the open, against stationary or moving targets. Decreased vulnerability and ease of concealment.

The effect of shrapnel, which is the only shell now carried, is greatest against troops in the open when the shell is burst about 10 minutes above the plane of fight, but good results may be obtained on percussion against personnel in entrenchments, buildings or behind gun shields.

The Canadian Battery consists of four guns and limber drawn by six-horse teams. Each gun in the firing battery is followed by an ammunition wagon, limber and body. These carrying in all 100 rounds per gun. Further supply of ammunition is carried by the First line wagons and Brigade Ammunition Column, Divisional Park, etc. The war establishment is about four officers, 160 men and 150 horses, and represents an investment in material, inclusive of horses and ammunition, of about $200,000. The ammunition costs $17 per round.

ARTILLERY ASSISTS INFANTRY

Artillery cannot itself win battles. It is the resolute advance of the infantry which is alone capable of producing the result. The work of artillery is therefore secondary to that of the infantry, and the sole object of its employment is to render effective assistance to the infantry to retain mobility and offensive power and prevent the movement of the enemy and neutralize his fire.

With this end in view, artillery may be used to inflict loss on the enemy and so break down his moral.

To destroy material.

To reduce the resisting power of fortified localities.

Since artillery is purely an offensive weapon and is more or less helpless on the march it must be protected by an escort of one of the other arms. The Infantry provide the escort for Field Artillery, and the Cavalry for Horse.

In order to achieve its object of intelligently assisting the Infantry, it is necessary for the O.C.A. to have accurate and timely information of the tactical situation.

For purpose of communication, staff or orderly officers, field telephones visual signaling are employed but the most satisfactory is for the O.C.A. to be with the O.C. force, where he will see the tactical situation as it develops and be in a position to appreciate the objectives against which his batteries will be most usefully employed.

In particular he must know:—

The location of the Infantry he is supporting.

Their immediate objective.

What is hindering them achieving it.

ATTACKING THE ENEMY.

The first step in the attack of an enemy is the deployment of the Infantry and the advance through the ground swept by the enemy's guns. In this phase the task of the artillery will usually be to locate and subdue the enemy's artillery.

When the infantry come under rifle fire the object of the artillery will be to assist the forward movement by developing a covering fire to make the enemy keep under shelter.

When the infantry are in a position to deliver an assault the artillery fire should be particularly intense and should be carried on until the last possible moment when the assault is started. Then elevations increased and a searching fire opened against the localities probably occupied by the supports or reserves. As soon as a position has been carried, the guns should be boldly advanced to assist in holding it.

When a battery commander expects to be called upon to bring his battery into action he gives the order "Prepare for action."

Breech and muzzle covers are removed.. The gun and its fittings given a rapid, careful inspection, ammunition prepared. Horse, harness and saddlery looked to and every possible thing done to minimise the pause between coming into action and opening fire.

BATTERY FORWARD.

When a battery is required the Battery Commander is told by his Brigade Commander the approximate location and nature of his target. The localities occupied by our own troops and roughly the position he considers suitable for the Battery to occupy.

The B.C. calls out his Officer, N.C. O.'s and battery staff and passes to them as much of this information as he deems advisable, and then rides forward to reconnoitre and choose his observing station and the position for the battery.

On his reconnaissance the B. C. is accompanied by a section commander and trumpeter as horse holder. The Battery Sgt.-Major follows 100 yards or more in rear in charge of the headquarters' party, consisting of range takers, signallers, lookout men, horse holders, etc.

As any of these men are required they dismount from their horses and take up their work.

As soon as the final positions have been selected the Section Commander marks the position for the guns in such a way as the battery leader will easily recognize and gallops back to the battery with any further information from the B.C.

RANGE IS TAKEN.

The Sergeant-Major sets up the B. C. director and records the B.C.'s orders for transmission to the battery. Range takers take ranges on the targets pointed out by B.C. and prepare range cards giving distance, switch angle and angle of sight to all prominent objects in the possible field of fire.

The lookout men take up positions to watch for the appearance of new targets or for the movement of our own or the enemy's troops.

As soon as the battery comes up it is unlimbered and the guns thrown roughly into the line of fire. The waggons come up are unhooked and with the horses and gun limbers proceed to a covered position selected by the battery Captain tnd Q.M. Sgt.

THE SIGNALLERS.

The signallers open communication between B.C. and Battery and the preliminary orders are passed down.

These orders must cover the following:—

Indication of the target or lateral angles.

Angle of sight or sight to be used.

Method of ranging.

Nature of projectile.

Corrector setting.

First elevations.

considering these in detail. If the target is visible to the battery it may be described by reference to some prominent object.

The clock system is generally used. In this the prominent object is taken as the centre of a clock presumed to be laid face up with 6 o'clock toward the observer.

Directions are indicated by lines drawn from the centre through the various hours and distance out by the angle subtended at the observer by the line from reference point to objective. If the target is invisible to the battery it is necessary to lay out Lines of Fire on an auxiliary mark. Let T represent the target, B the battery and O the observer. The B.C. measures the angle TOB by his director, obtains the ranges OB and OT from his range finders or by estimasends to the battery.

Aiming Point....degree. Right or Left.

This angle is put on the dial sights of the guns and the whole carriage shifted until the sight is on the director. This sight is replaced to zero and two aiming posts planted about 25 and 50 yards respectively in front to mark the approximate line of fire and to serve as a base on which to make subsequent corrections as may be necessary.

The procedure is similar when an auxiliary A.P. is used.

The angle of sight is determined by calculation from a map or from the gunners rule.

OT X Angle OT—AB X Angle OB
BT

The angles O-T and O-B are measured by the B.C. on the clinometer mounted on the director.

Of course, if the target is visible to the Battery the A. of S, is unnecessary as it is automatically included when the open or telescopic sight is directed on the target.

PERCUSSION SHRAPNEL

If the ground in front is open and hard percussion, srhapnell will be used for ranging which is the process of finding the elevation necessary to carry the shell to the target. The information obtained by the B.C. from his range takers or the map being usually only very approximate.

Percussion shrapnel under these conditions is extremely accurate and easy to observe.

If the ground is difficult by reason of hills, hollows, false crests, swampiness or woods, time shrapnell is preferable. A corrector setting is chosen to give a burst at the second intersection of trajectory and line of sight.

From the preliminary information the B.C. choses two ranges differing by 300 yards and orders the longer fired first. Observation is made whether the burst is short or over, and correction for line applied.

If the shell was plus the second is fired If this is minus the bracket is narrowed to the middle hundred yards and the process is repeated until the hundred yard bracket has been obtained and verified.

No estimation is made as to the amount short or over, and in fact it is extremely difficult without considerable practice to tell whether a round is short or over unless the smoke of the burst obscures or is obscured by the target.

From the 100 yard bracket the range is chosen, the corrector setting adjusted to give a burst 10 min. above plane of sight and fire for effect commenced.

FIRING.

Three methods of fire are used. Battery Section and Gun fire.

In B F the guns are fired in succession from the right at the interval ordered until the required number of rounds has been discharged or until orders to stop have been given.

In this method it is easy for the B.C. to observe the fall of the individual rounds and correct the guns as may be necessary.

A round of B.F. is usually fired after ranging has been completed to permit the final corrections for line and those introduced by difference of level of the individual guns, irregularly of the characterisics, etc.

In section fire, the B.C. orders Interval. The two guns go on firing alternately without reference to those of other sections. The fire is particularly useful where a slow accurate hammering fire is required. The irregularity of interval between the sections makes it difficult for the enemy to decide how many guns are actually in action.

SECTION FIRE.

Gun fire is used when it is of the utmost importance to take advantage of a fleeting opportunity by concentrating a very intenses fire for a short time.

It has its disadvantages that the layers are liable to get out of hand. The strain on the detachments is terrific.

The 18 pounder is capable of firing from 15 to 20 aimed rounds per minute, that is in less than 5 minutes of expending all the ammunition in the firing battery.

ACTION IN OPEN.

Similar methods and procedures are adopted with a battery goes into battle action in the open. Here the section commanders and gun layers can see the target and the battery commander is relieved of the work of correcting for time.

Distances will usually be short, and observation easy. Speed is also very important, so the "Rapid" method of ranging is adopted. In this method the 300 yards bracket is obtained, and a range guessed from it, and corrected as necessary.

If it is required to engage several targets at the same time, the battery commander may point out one to each section and order "Section Control," when each section commander acts as a battery commander. The battery commander meanwhile, watching the whole tactical situation.

The normal method is for the Field Artillery to engage targets behind cover. This is because more efficient work can usually be done by the detachments when not subjected to fire. When the occasion arises that artillery can better perform the role from the open it is their duty to take any risk and make any sacrifice entailed by forsaking cover, but at all costs to render "effective support to the Infantry."

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